

## **STIC Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING** **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/510,015  
Source: IFWP  
Date Processed by STIC: 8/9/06

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

**FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:**

**<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebs/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

## Raw Sequence Listing Error Summary

### ERROR DETECTED

### SUGGESTED CORRECTION

SERIAL NUMBER: 10/510,015

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1      Wrapped Nucleics  
    Wrapped Aminos      The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
  
- 2      Invalid Line Length      The rules require that a line not exceed 72 characters in length. This includes white spaces.
  
- 3      Misaligned Amino  
    Numbering      The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
  
- 4      Non-ASCII      The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
  
- 5      Variable Length      Sequence(s)      contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
  
- 6      PatentIn 2.0  
    "bug"      A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)     . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
  
- 7      Skipped Sequences  
    (OLD RULES)      Sequence(s)      missing. If intentional, please insert the following lines for each skipped sequence:  
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
     (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
     (xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
 This sequence is intentionally skipped  
 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
  
- 8      Skipped Sequences  
    (NEW RULES)      Sequence(s)      missing. If intentional, please insert the following lines for each skipped sequence.  
 <210> sequence id number  
 <400> sequence id number  
 000
  
- 9      Use of n's or Xaa's  
    (NEW RULES)      Use of n's and/or Xaa's have been detected in the Sequence Listing.  
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
  
- 10      Invalid <213>  
    Response      Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence. (see item 11 below)
  
- 11      Use of <220>      Sequence(s)      missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules
  
- 12      PatentIn 2.0  
    "bug"      Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
  
- 13      Misuse of n/Xaa      "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



IFWP

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/510,015

DATE: 08/09/2006

TIME: 09:45:54

Input Set : F:\ARS-102.SeqList.txt

Output Set: N:\CRF4\08092006\J510015.raw

5 <110> APPLICANT: Applied Reasearch Systems ARS holding  
 9 <120> TITLE OF INVENTION: NOVEL OX40R BINDING AGENTS  
 13 <130> FILE REFERENCE: WO498  
 C--> 17 <140> CURRENT APPLICATION NUMBER: US/10/510,015  
 C--> 17 <141> CURRENT FILING DATE: 2004-09-30  
 17 <160> NUMBER OF SEQ ID NOS: 15  
 21 <170> SOFTWARE: PatentIn version 3.0  
 25 <210> SEQ ID NO: 1  
 27 <211> LENGTH: 183  
 29 <212> TYPE: PRT  
 31 <213> ORGANISM: Homo sapiens  
 35 <400> SEQUENCE: 1  
 37 Met Glu Arg Val Gln Pro Leu Glu Glu Asn Val Gly Asn Ala Ala Arg  
 38 1 5 10 15  
 40 Pro Arg Phe Glu Arg Asn Lys Leu Leu Val Ala Ser Val Ile Gln  
 41 20 25 30  
 43 Gly Leu Gly Leu Leu Leu Cys Phe Thr Tyr Ile Cys Leu His Phe Ser  
 44 35 40 45  
 46 Ala Leu Gln Val Ser His Arg Tyr Pro Arg Ile Gln Ser Ile Lys Val  
 47 50 55 60  
 49 Gln Phe Thr Glu Tyr Lys Lys Glu Lys Gly Phe Ile Leu Thr Ser Gln  
 50 65 70 75 80  
 52 Lys Glu Asp Glu Ile Met Lys Val Gln Asn Asn Ser Val Ile Ile Asn  
 53 85 90 95  
 55 Cys Asp Gly Phe Tyr Leu Ile Ser Leu Lys Gly Tyr Phe Ser Gln Glu  
 56 100 105 110  
 58 Val Asn Ile Ser Leu His Tyr Gln Lys Asp Glu Glu Pro Leu Phe Gln  
 59 115 120 125  
 61 Leu Lys Lys Val Arg Ser Val Asn Ser Leu Met Val Ala Ser Leu Thr  
 62 130 135 140  
 64 Tyr Lys Asp Lys Val Tyr Leu Asn Val Thr Thr Asp Asn Thr Ser Leu  
 65 145 150 155 160  
 67 Asp Asp Phe His Val Asn Gly Gly Glu Leu Ile Leu Ile His Gln Asn  
 68 165 170 175  
 70 Pro Gly Glu Phe Cys Val Leu  
 71 180  
 73 <210> SEQ ID NO: 2  
 75 <211> LENGTH: 31  
 77 <212> TYPE: PRT  
 79 <213> ORGANISM: synthetic construct  
 83 <400> SEQUENCE: 2  
 85 Val Ala Ser Leu Thr Tyr Lys Asp Lys Val Tyr Leu Asn Val Thr Thr  
 86 1 5 10 15

pp 1-4  
 Does Not Comply  
 Corrected Diskette Needed

invited response - see item 10 on Enr  
 Summary  
 sheet

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/510,015

DATE: 08/09/2006

TIME: 09:45:54

Input Set : F:\ARS-102.SeqList.txt

Output Set: N:\CRF4\08092006\J510015.raw

88 Asp Asn Thr Ser Leu Asp Asp Phe His Val Asn Gly Gly Glu Leu  
89           20                           25                           30  
91 <210> SEQ ID NO: 3  
93 <211> LENGTH: 24  
95 <212> TYPE: PRT  
97 <213> ORGANISM: synthetic construct *same error*  
101 <400> SEQUENCE: 3  
103 Leu Asp Asp Phe His Val Asn Gly Gly Glu Leu Ile Leu Ile His Gln  
104 1                           5                           10                           15  
106 Asn Pro Gly Glu Phe Cys Val Leu  
107           20  
109 <210> SEQ ID NO: 4  
111 <211> LENGTH: 29  
113 <212> TYPE: PRT  
115 <213> ORGANISM: synthetic construct  
119 <400> SEQUENCE: 4  
121 Val Ser His Arg Tyr Pro Arg Ile Gln Ser Ile Lys Val Gln Phe Thr  
122 1                           5                           10                           15  
124 Glu Tyr Lys Lys Glu Lys Gly Phe Ile Leu Thr Ser Gln  
125           20                           25  
127 <210> SEQ ID NO: 5  
129 <211> LENGTH: 31  
131 <212> TYPE: PRT  
133 <213> ORGANISM: synthetic construct  
137 <400> SEQUENCE: 5  
139 Glu Lys Gly Phe Ile Leu Thr Ser Gln Lys Glu Asp Glu Ile Met Lys  
140 1                           5                           10                           15  
142 Val Gln Asn Asn Ser Val Ile Ile Asn Cys Asp Gly Phe Tyr Leu  
143           20                           25                           30  
145 <210> SEQ ID NO: 6  
147 <211> LENGTH: 31  
149 <212> TYPE: PRT  
151 <213> ORGANISM: synthetic construct  
155 <400> SEQUENCE: 6  
157 Ile Ile Asn Cys Asp Gly Phe Tyr Leu Ile Ser Leu Lys Gly Tyr Phe  
158 1                           5                           10                           15  
160 Ser Gln Glu Val Asn Ile Ser Leu His Tyr Gln Lys Asp Glu Glu  
161           20                           25                           30  
163 <210> SEQ ID NO: 7  
165 <211> LENGTH: 30  
167 <212> TYPE: PRT  
169 <213> ORGANISM: synthetic construct  
173 <400> SEQUENCE: 7  
175 His Tyr Gln Lys Asp Glu Glu Pro Leu Phe Gln Leu Lys Lys Arg Ser  
176 1                           5                           10                           15  
178 Val Asn Ser Leu Met Val Ala Ser Leu Thr Tyr Lys Asp Lys  
179           20                           25                           30  
181 <210> SEQ ID NO: 8  
183 <211> LENGTH: 10

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/10/510,015

DATE: 08/09/2006  
 TIME: 09:45:54

Input Set : F:\ARS-102.SeqList.txt  
 Output Set: N:\CRF4\08092006\J510015.raw

```

185 <212> TYPE: PRT
187 <213> ORGANISM: synthetic construct
191 <400> SEQUENCE: 8
193 Gly Tyr Phe Ser Gln Glu Val Asn Ile Ser
194 1 5 10
196 <210> SEQ ID NO: 9
198 <211> LENGTH: 10
200 <212> TYPE: PRT
202 <213> ORGANISM: synthetic construct
206 <400> SEQUENCE: 9
208 Ile Ser Leu His Tyr Gln Lys Asp Glu Glu
209 1 5 10
211 <210> SEQ ID NO: 10
213 <211> LENGTH: 10
215 <212> TYPE: PRT
217 <213> ORGANISM: synthetic construct
221 <400> SEQUENCE: 10
223 Gly Phe Tyr Leu Ile Ser Leu Lys Gly Tyr
224 1 5 10
226 <210> SEQ ID NO: 11
228 <211> LENGTH: 10
230 <212> TYPE: PRT
232 <213> ORGANISM: synthetic construct
236 <400> SEQUENCE: 11
238 Gln Glu Val Asn Ile Ser Leu His Tyr Gln
239 1 5 10
241 <210> SEQ ID NO: 12
243 <211> LENGTH: 10
245 <212> TYPE: PRT
247 <213> ORGANISM: synthetic construct
251 <400> SEQUENCE: 12
253 Ile Ile Asn Cys Asp Gly Phe Tyr Leu Ile
254 1 5 10
256 <210> SEQ ID NO: 13
258 <211> LENGTH: 5
260 <212> TYPE: PRT
262 <213> ORGANISM: synthetic construct
266 <400> SEQUENCE: 13
268 Gly Tyr Phe Ser Gln
269 1 5
271 <210> SEQ ID NO: 14
273 <211> LENGTH: 18
275 <212> TYPE: PRT
277 <213> ORGANISM: synthetic construct
281 <400> SEQUENCE: 14
283 Leu Lys Gly Ser Phe Phe Gln Glu Val Lys Ile Asp Leu His Phe Arg
284 1 5 10 15
286 Glu Asp
289 <210> SEQ ID NO: 15

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/510,015

DATE: 08/09/2006

TIME: 09:45:54

Input Set : F:\ARS-102.SeqList.txt

Output Set: N:\CRF4\08092006\J510015.raw

291 &lt;211&gt; LENGTH: 18

293 &lt;212&gt; TYPE: PRT

295 &lt;213&gt; ORGANISM: synthetic construct

299 &lt;400&gt; SEQUENCE: 15

301 Ala Phe Lys Asp Lys Val Tyr Leu Thr Val Asn Ala Pro Asp Thr Leu

302 1 5 10 15

304 Cys Glu

**VERIFICATION SUMMARY**

**PATENT APPLICATION: US/10/510,015**

**DATE: 08/09/2006**

**TIME: 09:45:55**

**Input Set : F:\ARS-102.SeqList.txt**

**Output Set: N:\CRF4\08092006\J510015.raw**

**L:17 M:270 C: Current Application Number differs, Replaced Current Application No**  
**L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date**